

October 29, 1993

TO: R.J. ORF
FROM: D. RONKAINEN

RE: MONTHLY REPORT, OCTOBER 1993

OVER/UNDER MISCELLANEOUS PARTS

* The process for drilling and deburring the C-style Fore End Irons has been finalized. Completion of tool drawings is required before the process record can be finished.

* The first C-style Fore End Irons will be ready for assembly during the first week of November. The process requires an additional straightening operation. An operator will be instructed on the straightening procedure during the next production run. The polishing and straightening process has not yet been perfected.

SHOTGUN BREECH BOLT BROACHING

* Quotes for rebuilding the three broach machines have been reviewed. I plan to finalize my choice of vendors and submit a project before the end of December 1993.

* A routine for having outside vendors regrind the breech bolt broaches is being established. A trial set of broaches have been reground at Eagle Tool and were put into operation. The experimental broaches provided an easy set-up and superior surface finish. The regrinding of broaches by outside vendors is not expected to be implemented until 1994.

MIM EXTRACTOR FOR 870 12 & 20 GA EXPRESS

* Sample parts were molded, however processing complications during debinderizing caused excessive warpage of the extractors. A second run of extractors is planned for early November. Two feedstocks will be molded to check for dimensional accuracy of the extractors before shipping the mold to the vendor for the addition of hot sprues and run-off grooves.

SP10 CASTINGS

* Hitchner has not been fully approved for the Carrier castings since a full dimensional layout has not been received.

* I inspected sample castings of the Operating Handle. PMI will need to make tooling changes for the Operating Handle to bring dimensions into tolerance.

* I inspected sample castings of the Extractor and found the samples to be satisfactory with the exception of mold mismatch. PMI will make minor alterations to the mold to correct the mismatch.